

Title (en)
MULTIPLE LAYER GEL

Title (de)
MEHRSCICHTIGES GEL

Title (fr)
GEL MULTICOUCHE

Publication
EP 2839273 A4 20160210 (EN)

Application
EP 13778387 A 20130419

Priority
• US 201261635537 P 20120419
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Abstract (en)
[origin: US2013277232A1] A multiple layer gel and method for forming a multiple layer gel are provided. The multiple layer gel includes an isolation layer and an electrolyte layer. The isolation layer provides a molecular weight screen, to prevent proteins or other molecules from contacting a reference cell covered by the isolation layer. The electrolyte layer covers the isolation layer, and provides a source of ions that place the reference cell in ionic and/or electrical contact with a fluid sample. The multiple layer gel can be used to maintain a reliable reference voltage from an associated reference cell while an electrical potential or other electrical characteristic of a sample fluid is being determined.

IPC 8 full level
G01N 27/30 (2006.01); **G01N 27/403** (2006.01)

CPC (source: EP KR US)
G01N 27/301 (2013.01 - EP KR US); **G01N 27/40** (2013.01 - KR); **G01N 27/403** (2013.01 - KR); **G01N 27/4035** (2013.01 - KR); **G01N 27/406** (2013.01 - US); **G01N 27/416** (2013.01 - KR); **G01N 27/4168** (2013.01 - US); **G01N 33/48707** (2013.01 - EP US); **G01N 27/3272** (2013.01 - US); **G01N 27/403** (2013.01 - US)

Citation (search report)
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• [Y] US 4980043 A 19901225 - TOMITA KATSUHIKO [JP], et al
• [Y] US 7267750 B2 20070911 - WATANABE MOTOKAZU [JP], et al
• [A] US 2011056831 A1 20110310 - KENDIG MARTIN W [US], et al
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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US 2013277232 A1 20131024; US 9372167 B2 20160621; AU 2013249126 A1 20141030; AU 2013249126 B2 20151001; CA 2869151 A1 20131024; CA 2869151 C 20200218; CN 104321645 A 20150128; CN 104321645 B 20170517; EA 201491808 A1 20150331; EP 2839273 A1 20150225; EP 2839273 A4 20160210; HK 1207415 A1 20160129; IL 234869 A0 20141231; IL 234869 B 20190530; JP 2015514996 A 20150521; JP 5985739 B2 20160906; KR 20150013146 A 20150204; MX 2014011821 A 20150907; PH 12014502205 A1 20141210; SG 11201406203U A 20141127; US 10281425 B2 20190507; US 2016341693 A1 20161124; WO 2013158985 A1 20131024; ZA 201407581 B 20160928

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